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CA

11E

Influence of various diets on the tocopherol content of adipose tissue. I. Prange. *Abstracts Communs. 1st Intern. Congr. Biochem.* 1949, 60–1.—The fat from a no. of rats or chickens was stored in solid CO_2 until it could be extd. with $CHCl_3$. After sapong. with KOH in MeOH, unsapond. material was chromatographed to remove vitamin A. The filtrate was distd. in high vacuum. The tocopherols (I) were detd. colorimetrically (as γ per g. of fat) with $FeCl_3$ and dipyridyl. The effects of diets high or low in vitamin E were detd. The I content of the fat of chicks fed for 22 days on food contg. 10% cod-liver oil (II) plus supplements was: with 0.01% I-acetate, 47 γ I per g.; with 1.5% inositol (III), 20 γ I; and with 1.5% III plus 0.01% I-acetate, 35 γ. The I content of fat from chicks fed for 37 days on diets contg. 10% II plus supplements was: with 0.01% I-acetate, 62 γ; with 0.1% ascorbic acid (IV), 31 γ; with 0.5% IV, 71 γ; and with 0.5% IV and 0.01% I-acetate, 175 γ per g. The I content of fat from rats fed for 7, 9, and 14 weeks on diets contg. 0.01% I-acetate without fat was 49, 47, and 58 γ per g., resp. That of rats fed 0.01% I-acetate in a diet contg. 20% lard was 55, 69, and 89 γ, resp. Fat from rats 14 weeks on vitamin E-deficient diets contg. 20% II showed high peroxidation with total absence of I, but fat of rats given 20% II and 0.01% I-acetate had a I content of 33 γ per g. W. C. Tobie

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PRANDJEV, I.

"Caesareans section in cows."

Veterinariya, Vol. 37, No. 8, 1960, p. 55

Sr. Assistant, Vyssha Vet. Med. Inst., Sofia

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANDZHEV, I., starshiy assistent

Cesarean section in cows. Veterinariia 37 no.8:55-57 Ag '60.
(MIRA 15:4)

1. Vysshiy veterinarno-meditsinskiy institut, Sofiya.
(Cesarean section) (Cows--Diseases and pests)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

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BULGARIA

Dr Ivan PRANDZHEV, Candidate of Veterinary Sciences (kandidat na veterinarnite nauki) (No affiliation given)

"Cesarean Section in Swine."

Sofia, Veterinarna Sbirka, Vol 59, No 10, 1962; pp 13-17.

Abstract: A rather thorough review of the subject with indications, details of incision, antibacterial prophylaxis with antibiotics and sulfonamides; local anesthesia with procaine; occasional premedication with 10 or 20 ml. of 50% analgin. In 1956-1962, author did 37 sections; 6 by paralumbal and 31 by paramedian route; only in 3 could the progeny be salvaged; 34 recovered, the other 3 had to be killed within 12 hours postoperative. Four photographs.

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BULGARIA

Docent Marin KHUBENOV and Senior Assistant (stareyshi asistent) Ivan PRANDZHOV [Affiliation not given]

"Obstetric Technique for Schistosoma Reflexum in Cows."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; pp 13-16.

Abstract: Review of clinical and obstetric methods of treatment and diagnosis of delivering monstrous fetuses in cattle. Fetotomy as used by authors in 15 cases is recommended as safest and least traumatic technique to the cow. Three photographs.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANDZHEV, I.P., dotsent

Obstetric aid in torsion of the uterus in cows. Veterinariia 42 no.10:67-69 O '65. (MIRA 18:10)

1. Vysshiy veterinarnyy meditsinskiy institut, Sofiya, Bolgariya.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

4029

S/851/62/000/028/005/015
D296/D307

29 1220

AUTHOR: Prane, L.Yu.

TITLE: Morphological changes in the blood and bone marrow of white rats of different ages, exposed to sublethal doses of γ-radiation (In animals kept on different diets)

SOURCE: Akademiya nauk Latviyskoy SSR. Institut eksperimental'noy i klinicheskoy meditsiny. Trudy. no. 28, 1962. Znacheniye faktora pitaniya v profilaktike luchevoy bolezni, no. 4, 63 - 78

TEXT: Young rats (37 animals weighing 82 - 90 g each) and 113 adult or ageing rats (weighing 187 - 350 g each) were used for the experiment. After an investigation of 24 animals in each group to establish the initial condition of the peripheral blood and the bone marrow, one half of each group was kept on an adequate diet and the other half on a diet deficient in proteins and vitamins. After a preliminary period of 1 - 2 months the animals were exposed to γ radiation in a dose of 700 r, emitted by the ГУТ Co-400-1 (GUT Co-400-1) apparatus. The animals were killed 36 hours, 5, 10 and 20 days after

Card 1/2

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exposure. The peripheral blood and the myelogram were then investigated. In both young and adult (ageing) animals, blood changes characteristic of acute radiation sickness could be observed. In young animals kept on an adequate diet, however, these changes were less marked than in young animals kept on a deficient diet. No such difference could be found between the two groups of adult rats kept on different diets. A diet deficient in proteins and vitamins delayed the regeneration of the blood picture in both age groups. Here too, however, the young animals seemed to recover more rapidly on an adequate diet. The author explains these differences by the greater reactivity of young animals. There are 3 tables and 7 figures.

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44028

S/851/62/000/028/004/015
D296/D307

27,220

AUTHOR: Prane, L.Yu.

TITLE: The influence of γ-radiation upon hemopoiesis in white rats kept on different diets

SOURCE: Akademiya nauk Latviyskoy SSR. Institut eksperimental'noy i klinicheskoy meditsiny. Trudy. no. 28, 1962. Znacheniye faktora pitaniya v profilaktike luchevoy bolezni, no. 4, 41 - 62

TEXT: 189 adult male rats were employed for these tests, 21 animals being used as controls, to establish the initial condition of the hemopoietic system. The remaining 168 rats were divided into two equal groups, one of which was kept on wheat biscuits to which a protein-vitamin complex had been added, (a balanced diet) and the other on a diet of wheat biscuits (regarded as deficient in proteins and vitamins). One month later, 14 rats in each group were killed and investigated, with the remainder of each group being divided into two subgroups. Here 40 rats in each group were γ-irradiated with doses of 700 r, emitted by the Co-400-1 (GUT Co-400-1)

Card 1/2

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apparatus. 30 rats of these subgroups were not exposed to radiation. In all animals the author investigated the red cell count, the hemoglobin level, the number of reticulocytes, the color index and the packed cell volume, the erythrocyte sedimentation rate, the platelet and white cell counts and the differential count of the blood. Myelograms of the bone marrow were also prepared. The results are evaluated statistically, concluding that the destructive and degenerative changes observed in the blood after irradiation were independent of the diet. The regeneration of functioning hemopoietic tissue was however much slower in animals kept on the restricted diet deficient in proteins and vitamins. There are 8 figures and 5 tables.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANE, L. Yu., kandidat meditsinskikh nauk

Changes in the hematopoiesis of cancer patients under the influence of total roentgen irradiation in relation to nutrition factors. Vop. klin. lech. zlok. novoobraz. 7:273-289 '61.

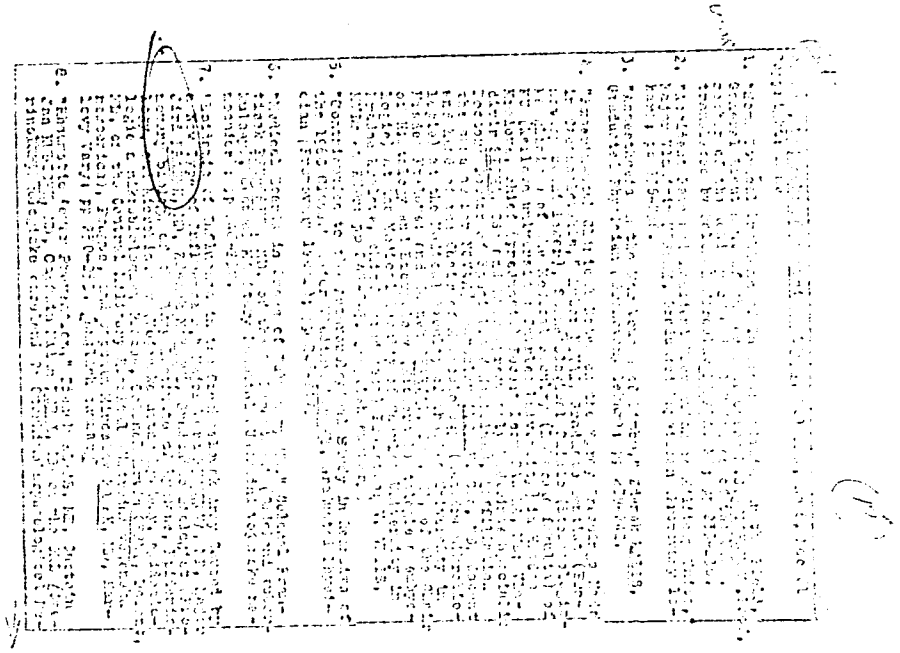
1. Sektor onkologii (zav. - kand. med. nauk V. M. Bramberga) Instituta eksperimental'noy meditsiny AN Latviyskoy SSR (dir. - akad. Latv. SSR P. Ya. Gerke)

(NEOPLASMS radiother)
(HEMATOPOIETIC SYSTEM radiation eff)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRHNEK, J.



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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

S/194/61/000/001/008/038
D216/D304

16.4000

AUTHOR: Prangishoili, I.V.

TITLE: New types of contactless remote-control circuits

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 1, 1961, 46, abstract 1 V391 (V Sb. Prom. telemekhanika, M., AN SSSR, 1960, 236-259)

TEXT: Contactless remote-control circuits based on ferromagnetic materials with a rectangular hysteresis loop (ППГ (PPG)) are most useful for the remote control of national industry. The following are their advantages: fast action, reliability of operation, long life, economy, small dimensions. The following PPG assemblies have been analyzed and their circuits given a contactless relay using a single PPG core; a contactless pulse sequence divider using a single PPM core with one dividing winding; a single-line distributor with one signal winding per element; a pulse switching device using ferromagnetic PPG elements; a contactless distributor with "matrix output"; a read-out; a time-relay using computing circuits. 23 figures. 3 references

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S.

Some problems of the general psychological theory of personality. Soob.AN Gruz.SSR 17 no.9:849-856 '56. (MLRA 10:2)

1. Akademiya nauk Gruzinskoy SSR, Institut psikhologii imeni D.N. Uznadze, Tbilisi. Predstavleno chlenom-korrespondentom Akademii R.G.Natadze.

(Personality)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S.

Development of psychology in Georgia during the forty years since the October Socialist Revolution. Trudy Inst.psikhol. AN Gruz. SSR 11:3-43 '57. (MIRA 12:3)
(Georgia--Psychology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S.

Psychological knowledge in eighteenth century Georgian seminaries. Trudy Inst.psikhol. AN Gruz. SSR 11:61-82 '57. (MIRA 12:3)
(Georgia--Psychology--Study and teaching)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S., red.; KHODZHAVA, Z.I., red.; ABASHIDZE, E.K., red.; BOCHORISHVILI, A.T., red.; BZHALAVA, I.T., red.; NATADZE, R.G., red.; NORAKIDZE, V.G., red.; SONGULASHVILI, M.I., red.izd-va; KHOKHIASHVILI, V.M., red.izd-va; DZHAPARIDZE, N.A., tekhred.

[Experimental studies on the psychology of attitude] Eksperimental'nye issledovaniia po psikhologii ustanovki. Tbilisi, 1958. 598 p. (MIRA 12:11)

1. Akademiya nauk Gruzinskoy SSR. Tiflis. Institut psikhologii.
(Attitude (Phychology))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S.

Confidence in recollection. Eksp. issl. po psikhol. ust. 1:409-438 '58. (MIRA 13:12)
(Recollection (Psychology)) (Attitude (Psychology))

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S.

Some comments on problems in the theory of attitude ("ustanovka") now under discussion. Vop. psikhol. 4 no.4:135-143 Jl-Ag '58. (MIRA 11:11)
(Attitude (Psychology))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A.S.

S. Dodashvili's psychological views. Vop.psikhol. 6 no.3:127-133 My-Je '60. (MIRA 14:5)

1. Institut psikhologii AN Gruzinskoy SSR, Tbilisi.
(Dodashvili, Solomon Ivanovich, 1805-1836)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

UZNADZE, Dmitriy Nikolayevich (1886-1950); PRANGISHVILI, A.S., red.

[Experimental basis of the psychology of adjustment] Eksperimental'nye osnovy psikhologii ustanovki. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1961. 210 p. (MIRA 15:3)
(PSYCHOLOGY, PHYSIOLOGICAL)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, A. S.

"Design of a psychological model of activity."

report submitted for Symp on Psychological Problems of Cybernetics, E. Berlin, 3-5 Sep 64.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, G.

Some results of the experimental seismometric prospecting of the Tkibuli coal deposits. 193-199 '47. (MLRA 9;8)
(Tkibuli--Prospecting--Geophysical methods)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

[illegible], G. M.

25567

Opyt Opredeleniya Modulya Yunga Tramorov Dinamicheskim i Staticheskim Metodami. Trudy in-ta Fiziki i Geofiziki (Akad. Nauk Gruz. SSR), T. XI, 1950, s. 177-79. - Na Gruz. Yaz. - Rezyume Na Fiz. Yaz. - "Bibliogr: 6 Nazv

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, G.M.

Dynamic and static methods for determining Young's modulus of marbles [in Georgian with summary in Russian]. Trudy Inst.geofiz. AN Gruz.SSR 11:177-179 '49. (MLRA 9:8)
(Marble) (Elasticity)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, G.M.

The state of seismic investigation of Colchis. Trudy Inst.geofiz.AN Gruz. SSR 14:103-112 '55. (MLRA 9:9)

1.Gruzinskaya geofizicheskaya kontora "Glavneftegeofiziki", Ministerstvo neftyanoy promyshlennosti SSSR i Institut inzhenerov zheleznodorozhnogo transporta imeni V.I.Lenina, Tbilisi.
(Colchis--Seismology) (Colchis--Prospecting--Geophysical methods)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, G.M.

Characteristics of first-hit seismic waves similar to step-shaped patterns. Trudy Inst.geofiz. AN Gruz.SSR 15:161-166 '56. (MLRA 10:7)
(Seismic waves)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

BUKHNIKASHVILI, A.V.; PRANGISHVILI, G.M.

Experiments in recording seismoelectric effects. Soob.AN Gruz.SSR 17 no.9:789-795 '56. (MLRA 10:2)

1. Akademiya nauk Gruzinskoy SSR, institut geofiziki, Tbilisi. Predstavleno akademikom A.I.Dzhanelidze.
(Terrestrial electricity) (Seismometry)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

15-57-12-17115

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12, p 59 (USSR)

AUTHOR: Prangishvili, G. M.

TITLE: Seismic Studies of the Kolkhida Plain (Sostoyaniye seysmicheskoy izuchennosti Kolkhidskoy nizmennosti)

PERIODICAL: Tr. In-ta geodiz. AN GruzSSR, 1955, Vol 14, pp 103-112

ABSTRACT: Bibliographic entry

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, G M.

797. Пангишвили Вахтанг Георгиевич. Исследование приземного слоя воздуха и его влияние на распространение ультракоротких радиоволн. Синоптико-аэрологический анализ резких холодных вторжений на черноморское побережье Кавказа (районы Сухуми) в зимы 1948—1951 гг. 1954. 257 с. (Инст. геофизики АН Груз. ССР).

Защ. 1955, 23.11.

798. Пангишвили Константин Иосифович. Характеристика ветра в Грузии с точки зрения динамики атмосферных процессов.

Защ. 1948, 20.3.

799. Прангишвили Георгий Мелитонович. Приближенные методы первых вступлений упругих волн в разведке геологической структуры ступенчатой формы.

[1940. 28 с. [4] Вкл. л.

II 1941. 20 с. [2] Вкл. л.

Некоторые особенности обратного годографа волн первого вступления при геологической структуре ступенчатой формы. III, 1942. 42 с., [5] Вкл. л., черт.

Обоснование применимости метода первого вступления сейсмических волн в условиях Сурса—Окацерты. IV, 1942. 36 с., 9 Вкл. л., черт.

Интерпретация годографов волн первого вступления суперзвуковой 2-й сейсмической экспедиции 1939 г. V, 1943. 37 с., [4] вкл. л., черт. (Инст. Физики и геофизики АН Груз. ССР).

Защ. 1943, 18.6.

800. Сакварелидзе Иосиф Иванович. Исследование энергетического спектра проникающей частицы широких атмосферных ливней космических лучей на высоте 400 м. над уровнем моря. 1955. 72 с., 19 фиг. (Инст. физики АН Груз. ССР).

Защ. 1956, 8.5.

801. Собинский Аркадий Викторович. Синоптико-аэрологический анализ резких холодных вторжений на черноморское побережье Кавказа (районы Сухуми) в зимы 1948—1951 гг. 1954. 257 с. (Инст. геофизики АН Груз. ССР).

Защ. 1955, 23.11.

802. Сулаквелидзе Георгий Константинович. Влияние физических факторов на образование и структуру снежного покрова Западной части Главного Кавказского хребта. 1947.

Защ. 1947, 9.12.

803. Хведелидзе Натела Семеновна. Исследование скоростей распределения магнитного поля земли. 1954. 70 с.

Защ. 1956, 23.6.

804. Цхакая Александр Давидович. Годограф S—P. По наблюдениям Тбилисской сейсмической станции. 1940. 61 с., 6 вкл.

Защ. 1941, 2.1.

805. Чантуришвили Левон Семенович. Исследование искажения одновременного электрического поля в земле в зависимости от неровности границы раздела земля—воздух (частные случаи). 1947. 111, 47 с., 18 рис.

Защ. 1948, 26.6.

806. Чхаидзе Шалва Манасеевич. Солнечная радиация и мутность атмосферы над горами курортом Абастумани. 1949. 165 с., с рис.

Защ. 1949, 24.6.

807. Чхенкели Шалва Михайлович. К вопросу радиопрозрачности полярных областей Антарктиды. 1950. (Инст. физики и геофизики АН Груз. ССР).

Защ. 1950, 10.12.

Dissertation for degree of
Candidate Physico-Mathematical Sciences

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

DOMANITSKIY, S.M. (Moskva); PRANGISHVILI, I.V. (Moskva)

Methodology for precise calculation of transistor switching circuits used in industrial automatic control systems. Avtom. i telem. 24 no.5:657-665 My '63. (MIRA 16:6)

(Electric relays)
(Switching theory)
(Automatic control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

KUPENOV, D., inzh.; PRANGOV, L., inzh.

An industrial method of obtaining silver-cadmium alloy for electric contacts. Mashinostroene 12 no. 11:20-22 N '63.

1. Mashinno-elektrotekhnicheski institut.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGOV, L., inzh.

Defectoscopy. Nauka i tekh mladezh 14 no.9:9-10 S '62.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, I.V., Cand Tech Sci — (diss) "Development and study of blocks and nodes of non-contact telemechanical systems on magnetic and semiconductor elements." Mos, 1959. 16 pp (Acad Sci USSR. Department of Technical Sciences. Inst of Automatics and Telemechanics). 150 copies (KL,39-59, 105)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANGISHVILI, I.V. (Moskva)

Analyzing the performance of pulse magnetic elements in contactless remote control devices [with summary in English]. Avtom. i telem. 20 no.4:473-485 Ap '59. (MIRA 12:5)
(Remote control)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

TASK I BOOK EXPLOITATION SOV/3781

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Avtomatika i telemekhanika (Industrial Telemechanics) Moscow, 1960.
Promyshlennaya telemekhanika (Industrial Telemechanics) Moscow, 1960.
284 p. Errata slip inserted. 4,000 copies printed.

Resp. Ed.: N.A. Garrilov; Ed. of Publishing House: Ye.N. Grigor'yeva;
Resp. Ed.: N.G. Sherchenko.
Tech. Ed.:

PURPOSE: This collection of articles is intended for scientific workers and engineers in the field of telemechanics.

COVERAGE: The book contains studies completed in 1957 by the workers of the Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics, Academy of Sciences USSR). They include telemechanic equipment, particularly contactless systems and systems for distributed equipment, the design of telemechanic signal systems, problems of bridge circuitry, and methods of synthesizing minimizing in relay circuitry, and methods of synthesizing relay circuitry using contactless components. No personalities are mentioned. Most of the articles are accompanied by references.

TABLE OF CONTENTS:

Foreword 3

PART I. GENERAL PROBLEMS OF TELEMECHANICS

Garrilov, N.A. Development and Present State of Discrete Telemechanic Theory and Equipment 5

PART II. THEORY OF TELEMECHANIC SYSTEMS

Garrilov, N.A. Design of Bridge Circuitry. 35

Rodin, V.M. Contactless Counter Circuits Combining Counting and Coincidence Functions 92

Ostianu, V.M. Evaluation of the Number of Self-Correcting Codes With Combined Use of Characteristic Pulse Features 109

Fomfel'd, Yu.L. Combined Use of Characteristic Pulse Features in Protected Circular Signals 115

Emel'yanov, V.M. Signal Systems Using Characteristic Pulse Frequency Features 130

Zhozhikashvili, V.A., and K.G. Mikushkina. Design of Pulse-Wave Pulse Distributor Using Hysteresis Components 146

Prangishvili, I.V. Operation of Pulse Components Using Ferromagnetic Materials With Rectangular Hysteresis Loop Under Resistive and Inductive Load Conditions 154

Parkhomenko, P.P. High-Capacity Machine for Relay Circuitry Analysis 172

PART III. TELEMECHANIC EQUIPMENT

Bilik, R.Yu. and V.N. Silayev. Complex Telemechanic System for Distributed Equipment 198

Babicheva, Ye.V. Telemechanic Equipment for the Control of Distributed Equipment Systems 218

Prangishvili, I.V. New Components for Contactless Telemechanic Systems 236

Bilik, R.Y. Remote Signal System Using Polarized Relays 260

Abdullayev, G.A. Remote Signaling in Telemechanic Systems With Distributed Control Points 277

AVAILABLE: Library of Congress (TJ 213.A325)

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

FRANGISHVILI, I.V.

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Avtomaticheskoye upravleniye; [sbornik rabot] (Automatic Control; Collected Works) [Moscow] Izd-vo AN SSSR [1960] 431 p. Errata slip inserted. 5,500 copies printed.

Ed.: Ya.Z. Tsypkin, Doctor of Technical Sciences, Professor; Ed. of Publishing House: Ye.M. Grigor'yeva; Tech. Ed.: G.A. Artaf'yeva.

PURPOSE: This collection of reports is intended for scientists and engineers engaged in the study of automation.

COVERAGE: The collection contains reports presented at the 6th Conference of Young Scientists of the Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics of the Academy of Sciences USSR) in January 1959. The collection covers a wide range of scientific and technical problems connected with automatic control. No personalities are mentioned. References accompany each report.

TABLE OF CONTENTS:

PART III. STRUCTURAL ELEMENTS OF AUTOMATION AND TELEMECHANICS

Gogelashvili, I.B. Problem of the Computation of Dynamics in Electromagnetic Mechanisms 183

The author endeavours to determine simple dynamic relationships for both d-c and a-c electromagnetic systems, without taking into consideration such factors as steel saturation, hysteresis, and eddy currents. The examination of the process begins at the very moment the armature starts. There are 3 references, all Soviet.

Dmoshinskiy, I.K. Device for Obtaining Low and Steady Consumption of Actuating Pressure Fluid by Controlling the Pressure Drop on the Constant-Resistance Throttle Valve 195

The author describes a method of obtaining low consumption of pressure fluid in systems of automatic hydraulic control. The method is based on the control of pressure drop in throttle valves with constant resistance. There are 3 references, all Soviet.

Korbin, L.B. Storage Device for Analog Computers 201

The author describes a storage device developed at the Institute of Automation and Telemechanics of the Academy of Sciences USSR, under the supervision of L.M. Fitner, Candidate of Technical Sciences. The device has a simple structure and makes it possible to store d-c voltages within a range of about 100v for a period of 3 to 4 hrs. There are no references.

Patrushin, B.P. Adapter for Tracing Mixer Characteristics in Analyzers (Cathode-Ray Curve Tracer) 205

This report describes an adapter which may be used with the d-c oscillograph EMO-1 for tracing static input and output characteristics of both power (P.T, P20) and low-capacity (P3) transistors. The adapter operates in two connecting diagrams, with a common base and with a common emitter. The principle of operation of the adapter is electromechanical. There is one Soviet reference.

Bespalov-Antipov, I.G. Noncontact (Magnetic-Transistorized) Relay 211

The report deals with the development of input relays for modern noncontact automatic control and telemechanics systems. Such systems could be made more economical and efficient if they were equipped with low-cost small-size components built of ferrite cores and semiconductor diodes. The use of these components imposes special requirements on the output relays because of the low-power and short duration of pulses received from these components. The author describes the structure, data and conditions that the required parameters of some remote types of relays, and considers that the results of their operated are satisfactory. There are no references.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

Report to be presented at the 1st Intl Congress of the Intl Federation of Automatic Control; 25 Jun-5 Jul 1960, Moscow, USSR.

AIZERMAN, M. A. - "Compensating thermo-magnetic gas analyzers."

ANDRONOV, A. A. - "Method of determining the optimum dynamic system according to the criterion of the functional extra, which is a given function of several other functions."

ATTERMAN, M. A.; and GAUTHIER, F. P. - "Some problems of the theory of nonlinear systems of automatic regulation with discontinuous character-istics."

BARBASHIN, E. A. - "Concerning the organization of the LIAPUNOV function - for nonlinear systems."

BARBASHIN, A. V. - "Graphic methods of synthesis of nonlinear systems of automatic regulation."

BASHTA, T. M. - "Problems of the application of high liquid pressures for automatic systems."

BELYUSTIN, A. E. - "The theory of stability of regulation systems."

BOLTYANSKIY, V. G. - "Multicoordinate nonlinear interpolator for program control of machines."

BRUSILOVSKIY, A. A. - "Pneumatic alloy systems."

BUSLENKO, N. P.; and DAL', A. A. - "Pneumatic alloy systems."

BUTKOVSKIY, A. G.; and KRASNOSEL'SKIY, M. A. - "Optimum control of systems with distributed parameters."

BUTKOVSKIY, V. I., KRASNOSEL'SKIY, M. A., and KRASNOSEL'SKIY, V. V., MATH, L. V., NOSOV, G. A. - "Automated electric drive of the propeller installation of the atomic icebreaker 'Lenin'."

DEMENTIYEVSKIY, V.A.; and FEDOROV, S. M. - "Application of the equivalent transmission function in the calculation of follower systems by the logarithmic frequency curve method."

ELIS, E. V., KHVILIVITSKIY, V. A., and KHAYKINSKIY, I. Ya. - "Contactless telemechanical systems with temporary separation of channels."

FOMENKO, L. S. - "The maximum principle in the theory of optimum control processes."

GERASOV, M. M. - "Automated electric drives of a metallurgical plant."

GUROV, I. A. - "Automatic regulation of froth-layer processes in nonferrous metallurgy."

PRANGISHVILI, I. V.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

BILIK, R.V.; ZHOZHIKASHVILI, V.A.; MITYUSHKIN, K.G.;
FRANGISHVILI, I.V.; SOTSKOV, B.S., otv. red.

[Contactless elements and remote control systems with time division of signals] Beskontaktnye elementy i sistemy telemekhaniki s vremennym razdeleniem signalov. Moskva, Nauka, 1964. 415 p. (MIRA 17:9)

1. Chlen-korrespondent AN SSSR (for Sotskov).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

ACCESSION NR: AP4033596 S/0119/64/000/004/0001/0004

AUTHOR: Domanitskiy, S. M. (Candidate of technical sciences); Petrukhin, B. P. (Engineer); Prangishvili, I. V. (Engineer)

TITLE: Semiconductor logical elements for industrial automation and telemechanics

SOURCE: Priborostroyeniye, no. 4, 1964, 1-4

TOPIC TAGS: semiconductor, semiconductor device, automation, industrial automation, telemechanics, industrial telemechanics, logical element

ABSTRACT: Three logical elements -- N O R , AND (diodes), and trigger -- were selected as fundamental to industrial automation, etc., schemes. Type P14-P16 transistors, D7 (D9D) and D220 diodes are selected for use in the logical elements which are required to reliably operate under the most unfavorable combination of these factors: (a) ambient temperature, 0-60C; (b) supply-voltage

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ACCESSION NR: AP4033596

variation, ± 20%; (c) resistor rating spread, ± 10%; aging variation of transistor gain and collector current; low-voltage sensors, 1–3 v. Typical schemes and data on the N O R gate, AND gate, and trigger are presented, as well as a timing element for up to 10–15 sec. Orig. art. has: 7 figures.

ASSOCIATION: Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics, AN SSSR)

SUBMITTED: 00 DATE ACQ: 11May64 ENCL: 00

SUB CODE: EC , IE NO REF SOV: 002 OTHER: 000

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

GRINBERG, N.S.; ZAK, L.A.; LEVIN, A.A.; PRANGISHVILI, I.V.

The BIA-2U-2 noncontact servocontrol system for over-all automation. Priborostroenie no.5:8-12 My '64. (MIRA 17:6)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

AVEN, O.A.; DVORETSKIY, V.M.; DOMANITSKIY, S.M.; ZALMANZON, L.A.; KRASSOV, I.M.; KRUG, Ye.K.; TAL', A.A.; KHOKHLOV, V.A.; BULGAKOV, A.A.; DEMIDENKO, Ye.D.; BERNSHTEYN, S.I.; YEMEL'YANOV, S.V.; LERNER, A.Ya.; MEYEROV, M.V.; PEREL'MAN, I.I., FITSNER, L.N.; CHELYUSTKIN, A.B.; ZHOZHIKASHVILI, V.A.; IL'IN, V.A.; AGEYKIN, D.I.; GUSHCHIN, Yu.V.; KATYS, G.P.; MEL'TTSER, L.V.; PARKHOMENKO, P.P.; MIKHAYLOV, N.N.; FITSNER, L.N.; PARKHOMENKO, P.P.; ROZENBLAT, M.A.; SOTSKOV, B.S.; VASIL'YEVA, N.P.; PRANGISHVILI, I.V.; POLONNIKOV, D.Ye.; VOROB'YEVA, T.M.; DEKABRUN, I.Ye.

Work on the development of systems and principles of automatic control at the Institute of Automatic and Remote Control during 1939-1964. Avtom. i telem. 25 no. 6:807-851 Je '64. (MIRA 17:7)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

ACCESSION NR: AP4035077 S/0103/64/025/004/0555/0561

AUTHOR: Domanitskiy, S. M. (Moscow); Prangishvili, I. V. (Moscow)

TITLE: Reliable logical elements and output amplifiers with a redundant structure

SOURCE: Avtomatika i telemekhanika, v. 25, no. 4, 555-561

TOPIC TAGS: automatic control, logical element, amplifier, output amplifier, redundant structure logical element, semiconductor logical element, logical element reliability

ABSTRACT: Principles advanced by Moore and Shannon of reserving individual elements in relay and semiconductor diode circuits are applied to NOR circuits. Redundancy is introduced by a series-parallel connection of elements which increases the total number of elements fourfold as compared to a nonreserved system. Checking of the condition of components and the degree of available

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ACCESSION NR: AP4035077

redundancy are hampered. However, it is estimated that the probability of a NOR-circuit failure is 3.6 and 750 times lower for the "voting" and the individual-element reserving methods, respectively. Orig. art. has: 4 figures, 8 formulas, and 3 tables.

ASSOCIATION: none

SUBMITTED: 08Jul63	DATE ACQ: 26May64	ENCL: 00
SUB CODE: EC, DP	NO REF SOV: 001	OTHER: 001

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

DOMANITSKIY, S.M. (Moskva); PRANGISHVILI, I.V. (Moskva)

Probability method for calculating semiconductor logical elements. Avtom. i telem. 25 no. 6:997-1003 Je '64. (MIRA 17:7)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

ACC NR: AP7004247 SOURCE CODE: UR/0103/67/000/001/0155/0165

AUTHOR: Kuzovkina, T. V. (Moscow); Popova, O. M. (Moscow); Prangishvili, I. V. (Moscow)

ORG: none

TITLE: Execution of arithmetic operations in the decimal numbering system using homogeneous transistor matrices

SOURCE: Avtomatika i telemekhanika, no. 1, 1967, 155-165

TOPIC TAGS: arithmetic unit, computer design, integrated circuit

ABSTRACT:

The author propose a decimal computer arithmetic unit (AU) based on semiconductor—integrated circuits in the form of matrix plates (see Fig. 1) with rows and columns intersecting at points which are AND gates. Small size and power consumption, high speed, easy manufacture, and lack of need for transformation between program and machine codes are among the advantages of this AU system. Fig. 1 illustrates one such matrix interconnected to add two decimal digits. The authors also illustrate similar matrices for subtraction, multiplication, and division in decimal codes. Multiplication and division operations require more matrices than addition and subtraction. Redundancy

Card 1/3 UDC: 681.325.5-181.4:621.382.3

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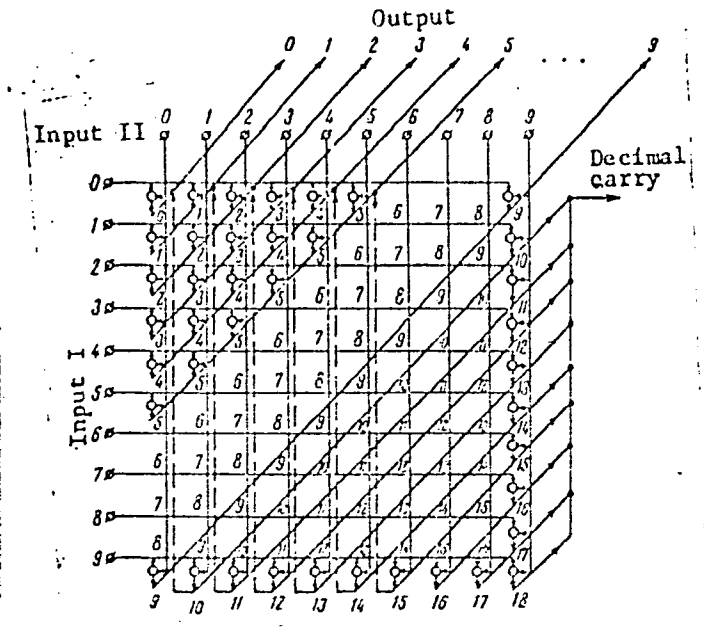

Fig. 1. Addition matrix

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measures are easily built into these matrices, which may be designed to have more than 10 rows and 10 columns. If any row or column fails it may be rapidly interchanged with a spare row or column. Orig. art. has: 9 figures. [WA-81] [BD]

SUB CODE: 09/ SUBM DATE: 23Feb66/ ORIG REF: 002/ OTH REF: 002/ ATD PRESS: 5115

Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

ACC NR: AT6022312 SOURCE CODE: UR/0000/66/000/000/0071/0075

AUTHOR: Mityushkin, K. G.; Prangishvili, I. V.

ORG: none

TITLE: Determining the reliability of remote control systems

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya telemekhaniki. Doklady. Moscow, 1966, 71-75

TOPIC TAGS: remote control, automatic control theory, system reliability

ABSTRACT: Most remote control systems, which operate without redundant control elements, have a sequential reliability structure. Each element in such a system can be described by some degree of importance or rank. If a failure of any of the given elements has no effect on the normal functioning of the system, then that element is characterized by a rank equal to zero; if, however, the failure of any given element causes the entire system to fail, then that element is characterized by a rank equal to 1. Intermediate values of ranks $0 < W_i < 1$ are determined for those elements whose failures only reduce, in the corresponding manner, the quality of operation of the entire system. Formulas are derived for determining the information weight, that is, rank of individual elements, and the probability of trouble-free operation of a central system. Orig. art. has: 11 formulas.

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L 37659-66 EWP(k)/EWI(d)/EWP(h)/EWP(l)/EWP(v) BC/GD

ACC NR: AT6012355 SOURCE CODE: UR/0000/66/000/000/0202/0208

AUTHOR: Prangishvili, I. V.; Zak, L. A.; Levin, A. A.; Grinberg, N. B. 67 B+1

ORG: none

TITLE: Unitized contactless tele-automatic BTA-PU-S system for mining industries

SOURCE: Nauchno-tekhnicheskaya konferentsiya po sredstvam promyshlennoy telemekhaniki. Moscow, 1963. Promyshlennaya telemekhanika (Industrial telemechanics); materialy konferentsii. Moscow, Izd-vo Energiya, 1966, 202-208

TOPIC TAGS: automatic control, automatic control system, automatic control theory, industrial automation / BTA-PU-S automatic control system

ABSTRACT: Developed by IAT and "Red Metallist" plant, the BTA-PU-S automatic control system is intended for automating production flowlines and transportation lines in the coal and mining industries. The system is connected (via contactless transducers and amplifiers) with level sensors, machine and mechanism controls (flight and belt conveyers, rolls, etc.), position limit switches, contactors, etc. The system tolerates parameter spread of its elements, permits interchanging its

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ACC NR: AT6012355

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functional units, uses unmatched transistors, and is stable with a supply-voltage variation of ±20% and ambient temperature variation of −25 °C. The system functions normally at 90% relative humidity. These units constitute the system: step-synchronized transmitter-receivers for 1000 control and signaling commands (clock frequency, 3 kc; interrogation cycle, 0.35 sec); logic units for interlocking various mechanisms via tele-channels; a program-control unit; transducer units for various purposes. "In 1965, an improved modification of BTA-PU-S was developed."

Abstracter's note: [No testing of the system is mentioned.] Orig. art. has: 1 table.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

L 9395-66 EWT(1)/EWA(h)
ACC NR: AP5026961 SOURCE CODE: UR/0103/65/026/010/1781/1792

AUTHOR: Prangishvili, I. V. (Moscow); Babicheva, Ye. V. (Moscow); Ignatushchenko, V. V. (Moscow)

64
B

ORG: none

TITLE: New principles for implementation of computer systems using homogeneous microelectronic structures

25

SOURCE: Avtomatika i telemekhanika, v. 26, no. 10, 1965, 1781-1792

TOPIC TAGS: computer logic, computer circuit, digital system, computer system, flip flop circuit, microelectronic component

ABSTRACT: A new concept for the realization of logical and computing operations is discussed. In principle, it is based on the interaction of information streams in the form of pulses formed, propagated, and directed along two-dimensional structures composed of homogeneous stages which include a flip-flop and 4, 6, or 8 gates. The stages acting in groups have the following properties: threshold stimulability, nonattenuating propagation, uniform velocity of signal pr gation (controlled by the system clock), and the presence of a refractory period during which the stage cannot be activated. The authors demonstrate how INHIBIT, NOT, NOR, AND, and OR operations may be synthesized. Circulating-type storage using 10 stages may be realized. A time delay function is inherent in the system because of the nonzero propagating velocity. Because of the inherent homogeneity of the basic elements, these structures are par-

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L 9395-66

ACC NR: AP5026961

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ticularly suited for adaptive systems. Greater speed and reliability are also claimed. Because of the uniform structure and the minimum number of necessary interconnections, manufacturing problems are simplified. Orig. art. has: 9 figures. [BD]

SUB CODE: 09/ SUBM DATE: 29Mar65/ ORIG REF: 005/ OTH REF: 008/ ATD PRESS: 4153

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

L 7802-66

ACC NR: AP5027891 SOURCE CODE: UR/0103/65/026/011/1996/2003

AUTHOR: Domanitskiy, S.M. (Moscow); Prangishvili, I.V. (Moscow)

ORG: None

TITLE: A method of calculating the parameters of transistorized threshold logical elements

SOURCE: Avtomatika i telemekhanika, v. 26, no. 11, 1965, 1996-2003

TOPIC TAGS: logic element, transistorized circuit, circuit theory, circuit design, Boolean function

ABSTRACT: Recently, threshold elements are being widely incorporated in automatic control and computer devices. The use of threshold logical elements usually leads to a decrease in the total number of elements needed for the realization of complicated logical Boolean functions. The present article outlines a method for the calculation of parameters of threshold resistive-transistorized logical elements. It is based on the method of resistive-transistorized element design discussed earlier by the authors (Avtomatika i telemekhanika, t. XXIV, no. 5, 1963.). The investigation covers the worst conditions for the threshold element transistor blocking, the worst conditions for transistor opening, the calculation of the parameters of the threshold transistor element for a given transistor amplification, and the evaluation of the optimum parameters of the threshold transistorized element corresponding to the minimum possible transistor amplification. It was widely believed that reliable threshold elements using ordinary resistive-transistorized schemes could not be constructed because of the changes

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ACC NR: AP5027891

in threshold following the aging of the parts and the dispersion of their parameters. However, results of present calculations show that by choosing optimum parameters in schemes utilizing existing transistor triodes reliable logical threshold elements can be designed with three inputs, three outputs, and a threshold of 2. Orig. art. has: 20 formulas, 5 figures, and 1 table.

SUB CODE: EC,IE / SUBM DATE: 20Dec64 / ORIG REF: 002 / OTH REF: 001

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

FRANGISHVILI, I.S. (Moskva); [illegible], V.V. (Moskva); [illegible], V.V. (Moskva)

New principles for the construction of logical and computing devices based on uniform microelements: structures. Avtom. i telem. 26 no.10:1781-1792 O '65. (MIRA 18:10)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

L 63716-65

ACCESSION NR: AP5019073 UR/0286/65/000/012/0102/0102

AUTHORS: Prangishvili, I. V.; Ignatushchenko, V. V.; Babicheva, Ye. V. 15 B

TITLE: Method for constructing functional uniform media. Class 42, No. 172129

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 102

TOPIC TAGS: information processing

ABSTRACT: This Author Certificate presents a method for constructing functional uniform media for accomplishing logical and computational operations. To insure generality and to increase the reliability and technology of completing the medium, normal and transient interunit couplings are achieved in the medium, which involve the neighboring (or through some numbers) units. The direction of synchronous information transfer is supplied either by the excitation of two series of stopping units or by the excitation of one unit and a direction signal. The intersection of two information currents and the realization of the logical and the computational functions are accomplished by the coordinate selection of a unit at the corresponding excitation cycle.

ASSOCIATION: none

SUBMITTED: 12Feb64 ENCL: 00 SUB CODE: DP

NO REF SOV: 000 OTHER: 000

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GIRSHBERG, V.V., inzh.; KUTLER, N.P., inzh.; KHODIEV, V.V., inzh.; PRANGISHVILI, I.V., kand. tekhn. nauk; PETRUKHIN, B.P., inzh.; DOMANITSKIY, S.M., kand. tekhn. nauk

Transistorized logical and functional elements of the standardized ET-series for industrial automatic control systems. Elektrotekhnika 36 no.4:11-14 Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

L 9887-63
ACCESSION NR: AP3000469 S/0103/63/024/005/0657/0665

AUTHOR: Domanitskiy, S. M.; Prangishvili, I. V. (Moscow)

TITLE: Methods for precision designing of semiconductor switching circuits used in industrial automation

SOURCE: Avtomatika i telemekhnika, v. 24, no. 5, 1963, 657-665

TOPIC TAGS: transistors, industrial transistors, "or-not"

ABSTRACT: A method is offered for calculating parameters of switching logical circuits ("or-not" type); the method ensures reliable operation with the most unfavorable spread in resistance values, supply-voltage and ambient-temperature variations, and aging of transistors. Maximum utilization of the base current and amplification is sought for. Open and closed "or-not" circuits are examined by means of elementary transistor formulae, as well as some circuits with backup transistors ensuring proper operation in case of an internal fault. A numerical example illustrates the design method. Orig. art. has: 15 equations, 7 figures, and 1 table.

ASSOCIATION: none

SUBMITTED: 30Dec62 DATE ACQ: 12Jun63 ENCL: 00
SUB CODE: IE NR REF SOV: 003 OTHER: 000

Card 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

BULGARIA

Dr Ivan PRANGOV, Regional Veterinary Hospital (Okruzhna veterinarna lechebnitsa), Kostinbrod.

"Dry Therapy of Placental Retention in Cattle."

Sofia, Veterinarna Sbirka, Vol 59, No 10, 1962; pp 17-19.

Abstract: Conservative treatment of bovine retained placenta and related complications such as endometritis by introduction of sulfa or antibiotic or trypeflavin powder through cervical os by special applicator. Of 29 cows treated 1960-1961, 20 were considered cured (bore healthy calves afterwards). Diagnostic and therapeutic details.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

YUGOSLAVIA/Inorganic Chemistry - Complex Compounds. C

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67485

Aut or : Pranic, Petar
Inst : -
Title : Preparation of Laboratory Amounts of Silicon Halides

Orig Pub : Tehnika, 1958, 13, No 10; Rud. i metalurg., 9, No 10, 220-221

Abstract : The procedure and equipment for preparing Si halides from 92% ferrosilicon (I) ware described. $SiCl_4$ was prepared by the chlorination of I in an electrical tubular furnace at 450-500°. The $SiCl_2$ was refined by distillation as it was passed through a column filled with Cu turnings. $SiBr_4$ was prepared and refined similarly to $SiCl_4$, except that a quartz tube was substituted for the pyrex tube, and that bromination was conducted at $> 600°$. H_2 was used as a bromine-vapor carrier. SiI_4 was prepared by iodination of I at $> 750°$, was refined by

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

YUGOSLAVIA/Inorganic Chemistry - Complex Compounds. C

Abs Jour : Ref Zhur Khimiya, N: 19, 1959, 67485

dissolution in CS_2 and shaking with Hg, and was separated by vacuum distillation. - Author's summary

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANIS, L.Yu.

Changes of the general blood serum protein level in cancer after surgery
Vopr.klin.lech.zlok.novoobraz. Riga 1:145-155 1953

(NEOPLASMS, surg.
eff. on blood proteins)
(BLOOD PROTEINS
eff. of surg. for cancer)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

SKULME, K.A., kamd.med.nauk, PRANIS, L.Yu.,

Materials on morphologic changes of blood in cancer. Vopr.klin.lech. zlok. novoobraz., Riga 1:39-50 1953

(NEOPLASMS, diag.
blood tests
(BLOOD, in various dis.
cancer, morphole changes, diag. value

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANIS, L.Yu.

Thrombocytes in cancer and peptic ulcer of the stomach.
Vopr.klin.lech.zlok. novoobraz. Riga. 2:41-48 1955

1. Sektor onkologii (zav. - prof. doktor P.I. Stradyn') Instituta eksperimental'noy meditsiny AN Latviyskoy SSR (dir. prof. doktor P.I. Gorke)

(PEPTIC ULCER, blood in,
platelets (Rus))
(STOMACH, neoplasms,
blood platelets in (Rus))
(BLOOD PLATELETS, in various diseases,
cancer of stomach & peptic ulcer (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANIS, L.Yu.

Effect of pre- and postoperative nutrition on morphological modifications of blood composition in gastric patients. Vopr.klin.lech. zlok. novoobraz Riga. 2:175-185 1955

1. Sektor onkologii (zav. - prof.doktor P.I. Stradyn') Instituta eksperimental'noy meditsiny AN Latviyskoy SSR (dir. - prof. doktor P.Ya. Gerke).

(STOMACH, surgery.
eff. of diets on blood picture (Rus))
(BLOOD CELLS,
picture in stomach surg., eff. of diets (Rus))
(DIETS,
in stomach surg., eff. on blood picture (Rus))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

Pranis, L. Yu.

USSR/ General Problems of Pathology. Tumors U-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 22973

Author : Pranis, L.Yu.
Inst : -
Title : On the RBC Globulin Content in Cancer and Gastric Ulcer

Orig Pub : Tr. In-ta eksperim. med. AN Latv. SSR, 1956, 10, 129-136

Abstract : A study was made of 48 patients with gastric cancer (GC) and 15 with ulcer (U). The globulin content in patients with GC was 4.04-15.02%, whereas it was 15.3-22.4% in healthy subjects. The globulin content decreased with progressive development of cancer. In the majority of patients from the 1st group (GC without metastases) the average globulin content equalled 10.69% and in patients from the 2nd group (GC with metastases) it was 8.65%. The average hematin level in the patients from the 1st group was 60-80%, and in those

Card 1/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

FRANIS L Yu.

Change in total protein content of the blood plasma of cancer patients under the influence of an operation. L. Yu. Pranis. *Trudy Inst. Eksptl. Med., Akad. Nauk Latv. S.S.R.* 1953, No. 3, 145–55; *Referat. Zhur., Khim* 1954, No. 27309.—Depending upon the severity of the operation, the sick were divided into 2 groups: controls were patients in whom the operation failed to reveal the presence of cancer. In cancer patients the plasma protein content was lowered as a result of the operation to an extent depending on the severity of the operation. To restore the preoperational protein content of the blood depended on the time required to restore the patient to a diet contg. proteins. In patients suffering from hypoproteinemia prior to the operation, post-operative complications arose more frequently and mortality was higher. M. H.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANIS, L. Yu.

PRANIS, L. Yu. -- "Leukocytal and Thrombocytal Shifts in Peripheral and Bone Marrow During Cancer of the Stomach and Precancerous Illnesses." Acad Sci Latvian SSR, Inst of Experimental Medicine, 1955. In Latvian
(Dissertation for the Degree of Candidate of Medical Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy SSR, No. 9, Sept., 1955

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

SIRBU, M.; DUMA, M.; PRANITKI, A.; PAUKER, M.; COLIN, L.; BRAUNSTEIN, F.

Radiotelemechanical control of the hoisting machinery. Probleme automatiz 4:205-210 '63.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANOVICH, E.A., gvardii podpolkovnik

Transfer of deciphered objectives from a vertical aerial photograph to a map. Artill.zhur. no.8:55-56 Ag '53. (MIRA 13:4)

(Maps, Military)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

S/236/62/000/003/002/004
D234/D307

AUTHORS: Vaykutite, A.Yu. and Pranskene, T.A.

TITLE: Modification of phenol-formaldehyde resins with albumins

SOURCE: Akademiya nauk Litovskoy SSR. Trudy. Seriya B, no. 3, 1962, 129 - 134

TEXT: The aim of this work was to determine (1) the dependence of the properties of phenol-formaldehyde resins modified with defibrinated blood on the conditions of preparation and proportions of the reactants, and (2) the water-resistance of the resultant powders. The original materials were phenol (100 parts), formalin (36.5 % CH_2O) taken in the proportions of 26.5 or 20 - 40 parts, defibrinated blood containing 15.9 - 18.2 % of albumins (12.1 - 48.4 or 35.5 parts), and 1 N HCl. The condensation was carried out at pH 1.5 - 1.6 over 2 hours, drying the resin at 150°C. Increasing the content of defibrinated blood increased the content of free phenol in

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Modification of ...

the end-product (max. 16.6 %) and considerably reduced the time of hardening. The viscosity was higher and the hardening times were progressively reduced at higher CH_2O-contents in the starting mixture. Duration of condensation (2-3 hours) had little effect on the properties of the finished resin but increasing the pH from 1.1 to 2.0 strongly decreased the viscosity and prolonged hardening. It was also shown that 2-stage condensation (100 parts phenol, 43.5 parts formaldehyde, and 33 parts of defibrinated blood (19.0 % albumins)) was suitable for the preparation of resins in which the free phenol content $\geq$ 9%, but drying was difficult owing to the very rapid hardening. Resins modified with defibrinated blood could be pressed under the same conditions as a commercial phenol-formaldehyde powder (control), and the resultant pressings possessed a similar hot water resistance to that of the control. There are 1 figure and 3 tables.

ASSOCIATION: Institut khimii i khimicheskoy tekhnologii Akademii nauk Litovskoy SSR (Institute of Chemistry and

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

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Modification of ... S/236/62/000/003/002/004
D234/D307

Chemical Technology, Academy of Sciences of the Lithuanian SSR)

SUBMITTED: January 29, 1962

Card 3/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

RASTEYKENE, L.P. [Rasteikiene, L.]; BEYNORAVICHYUTE, Z.A. [Beinoraviciute, Z.]; DAGENE, M.I. [Dagiene, M.]; PRANSKENE, T.A. [Pranskiene, T.]

Separation of amino acids from wastes of molasses-alcohol manufacture. Part 3: Hydrolysis of distiller's waste by alkali. Trudy AN Lit. SSR Ser. B no.3:19-25 '63. (MIRA 18:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANSKETIS, A.

Subject : USSR/Aeronautics AID P - 2223

Card 1/1 Pub. 58 - 6/19

Author : Komov, B., Mochalin, A. and Pransketis, A.

Title : Gliders should be given to the primary organizations

Periodical: Kryl. rod., 5, 6-7, My 1955

Abstract : This article belongs to the series of answers to the question "What kind of mass-produced glider is needed?" The authors give the characteristics of a glider which they suggest should be given to all primary aviation organizations. Gliders M-3, M-4, M-5, M-6, a glider transport truck, and some names are mentioned. Photo.

Institution: (DOSAAF)

Submitted : No date

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

KOTOV,B.; MOCHALIN,A., instruktor-letchik-planerist; PRANSKETIS,A., chlen byuro planernoy sektsiy

Let's give gliders to groups in primary organizations. Kryl. rod. 6 no.5:10-11 My '55. (MLRA 8:9)

1. Predsedatel' planernoy sektsii Litovskogo aviatekhkluba (for Kotov) (Gliders (Aeronautics))

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, F.

Silurian corals from the glacifluvial deposits in Silesia (Vidnava). p. 23. (CASOPIS; ODDIL PRIRODOVEDNY, Vol. 126, No. 1, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

FRANKLIN, MIKHAIL FADEYEVICH

M/5
662.5
.F8

Tekhnika bezopasnosti na neftyanykh i gazovykh zavodakh. Accident prevention in oil and gas works. Moskva, Gostoptekhizdat, 1955.
217 P. illus., diagrs., tables.
Literatura: P. 214-215.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

L 41843-65 EWT(l)/EEC(k)-2/T/EEC(b)-2/EWA(h) Pm-4/Pz-6/Peb IJP(c)

S/

ACCESSION NR AM5004024 BOOK EXPLOITATION

38 P+1

Bilik, R. V.; Zhozhikashvili, V. A.; Mityushkin, K. G.; Prangishvili, I. V.

Contactless elements and systems of telemechanics with time divisions of signals (Beskontaktnyye elementy i sistemy telemekhaniki s vremennym razdeleniyem signalov), Moscow, Izd-vo "Nauka", 1964, 415 p. illus., biblio. Errata slip inserted. 4,000 copies printed.

TOPIC TAGS: automation, telemechanics, magnetic hysteresis element, semiconductor element, pulse generator, contactless magnetic relay

TABLE OF CONTENTS [abridged]:

Foreword — 5
Part 1. Elements
Ch. I. Magnetic hysteresis elements — 9
Ch. II. A pair of magnetic hysteresis elements and magnetic dynamic triggers — 43
Ch. III. Semiconductor elements — 72
Ch. IIII. Keying systems and logical elements — 125
Part 2. Basic components and functional blocks

Card 1/2

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ACCESSION NR AM5004024

Ch. V. Pulse distributors and counters -- 165
Ch. VI. Pulse generators and converters -- 199
Ch. VII. Contactless magnetic relays -- 239
Ch. VIII. Functional blocks of contactless telemechanic systems -- 264
Part 3. Contactless telemechanic systems with the separation of signals
Ch. IX. Systems with synchronization of a single AC circuit -- 301
Ch. X. Systems for widely separated objects -- 317
Ch. XI. Systems with asynchronous power sources -- 331
Ch. XII. Systems operating on sealed communications channels -- 343
Ch. XIII. Complex systems -- 360
Ch. XIIII. Teleautomatic systems -- 378
Ch. XV. Reliability of the TMTS contactless systems -- 398
Bibliography -- 411

SUBMITTED: 17Jul64 SUB CODE: DP, EC

NO REF SOV: 074 OTHER: 014

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANIS-PRANEVICH, I. Yu.

Rukovodstvo po Uravnitel'nym Vychisleniyam Triangulyatsii (Handbook on Balancing Triangulation Computations), by I. Yu. Pranis-Pranevich, Publishing House of Geodetic Literature, revised edition, Moscow, 1956, 363 pp

This work contains a review of error theory and the method of least squares. It covers balancing of triangulation nets by the "method of conditional measurements" and the "method of intermediate measurements," the "multigroup balancing method," and the "third class triangulation equation."

The book contains four worked examples. It is recommended to "specialists" and students of geodesy.

Sum 1274

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANIS-PRANEVICH, Iosif Yul'yevich, inzhener; LARIN, D.A., redaktor; INOZEMTSEVA, A.I., redaktor izdatel'stva; KUZ'MIN, G.M., tekhnicheskiy redaktor

[Manual on compensation of errors in triangulation] Rukovodstvo po uravnitel'nym vychisleniiam trianguliatsii. Moskva, Izd-vo geodezicheskoi lit-ry, 1956. 362 p. (MLRA 9:9)
(Triangulation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

L 08718-67 EWT(d)/EWP(c)/EWP(v)/EWP(k)/EWP(l) IJP(c)
ACC NR: AP6032505 SOURCE CODE: UR/0413/66/000/017/0072/0072

INVENTOR: Averbukh, I. I.; Kalinin, V. A.; Pranitskiy, A. A.; Stukel'man, L. L.

ORG: none

27
B

TITLE: Ultrasonic resonance method of thickness inspection. Class 42, No. 185496 [announced by the All-Union Scientific Research Institute for the Development of Methods of Nondestructive Quality Control (Vsesoyuznyy nauchno-issledovatel'skiy institut po razrabotke nerazrushayushchikh metodov kontrolya materialov)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 72

TOPIC TAGS: thickness inspection, ultrasonic resonance, ultrasonic inspection

ABSTRACT: This Author Certificate introduces an ultrasonic resonance method of thickness inspection. To obtain the deviation of the measured thickness from the nominal thickness, the ultrasonic generator's frequency is varied within the range determined by the thickness limits, thereby ensuring the occurrence of resonance only at a frequency corresponding to a given thickness.

SUB CODE: 11, 13/ SUBM DATE: 31Mar65/

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

K

Country : USSR
Category: Forestry. Forest Cultures

Abs Jour: RZhBiol., No 11, 1958, No 48801

Author : Pran'ko, V.I.
Inst : -
Title : The Significance of Canopy Completion and Density of the Forest Cultures.

Orig Pub: Sel'sk. gospodarka Belarus, 1957, No 9, 37-38

Abstract: Using an example of unsuccessful oak and pine cultures, started lately in Belorussia, this study demonstrates the significance of the correct selection of the initial density which would insure a rapid closing and greater viability of the plan-

Card : 1/2

Card

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342

K-71

FRANKOVSKIY V. YA.

0

COUNTRY : USSR
CATEGORY : Plant Diseases. Diseases of Cultivated Plants

ABS. JOUR. : RZhBiol., No. 21 1958, No. 96288

AUTHOR : Frankovskiy, V.Ya.
INST. : -
TITLE : Primary Sources of Infection of Apple and Pear Trees with Scab

ORIG. PUB. : Zashchita rast. ot vredit. i bolezney, 1958, no.2, 61

ABSTRACT : In the vicinity of the city of Tuapse in the Tarnopol'-skaya oblast, experiments were performed in the laboratory-experimental Station, involv-

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

COUNTRY :
CATEGORY :

[illegible] : Mikrobiol., No. 1956, No.

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : were counted. It was shown that neither the conditions of the winter nor the duration of maintenance in the dry state exerted any negative influence on the viability of the conidia. In the course of the winter and spring prior to dissemination of the spores, they may be the primary source of infection. Great prophylactic importance attaches to spraying of the trees with a fungicide prior to blossoming of the buds. -- A.A. Il'yakova

CARD: 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

IVANOV, A.I.; LEBEDEV, O.A.; TIMOFEYEV, V.V.; VINOKUROV, V.B.; PRANTAS'YEV, N.A.

Electrolysis of titanium tetrachloride in fused chlorides; design of continuous action electrolytic cells for use in pilot plants. Titan i ego splavy no.6:136-144 '61. (MIRA 14:11)
(Titanium--Electrometallurgy) (Electrolysis--Equipment and supplies)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, F.

"Carboniferous Xiphosura of Czechoslovakia."

SBORNIK, ODDIL PALEONTOLOGICKY, Praha, Czedhoslovakia, Ustredni ustav geologicky. Vol. 22, 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

SORM, Frantisek, akademik; MASTOVSKY, Otakar; KASPAR, Jan; SIRACKY, Andrej; VANA, Josef; ZACHOVAL, Ladislav; RASKA, Karel; BLASKOVIC, Dionyz, akademik; WICHTERLE, Otto, akademik; PRANTL, Ferdinand; CUTA, Frantisek; JERIE, Jan; HENNER, Kamil, akademik; CAPEK, Ladislav; LINK, Frantisek; STRNAD, Julius

Report on the activities of the Czechoslovak Academy of Sciences.made at its 12th General Assembly, and the discussion. Věstnik CSAV 70 no.1: 26-34 '61.

1. Namestek presidenta Ceskoslovenska akademie ved (for Sorm). 2. Clen korespondent Ceskoslovenske akademie ved (for Mastovsky, Kaspar, Siracky, Vana, Zachoval, Raska, Prantl, Cuta, Jerie, Capek, Link and Strnad). 3. Predseda Slovenskej akademie vied (for Siracky).

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, Ferdinand

The 2d International Symposium on the Border and Stratigraphy of the Silurian and Devonian Formations. (Bonn- Brussels 1960). Vestnik CSAV 70 no.1:159-161 '61.

1. Clen korespondent Ceskoslovenske akademie ved.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, F.

"Boucekia nov. gen., a new Ordovician pelecypod from Bohemia."

SBORNIK, ODDIL PALEONTOLOGICY, Praha, Czechoslovakia, Ustredni ustav geologicky. Vol. 22, 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, FERNINAND

Minataia nov. gen., novy mlz z ceskeho devonu. Mnataia nov. gen., a new Devonian pelecpod from Bohemia. Praha, Nakl. Narodniho musea, 1955. 31 p. (Prague. Narodni museum. Sbornik B: Prirodovedny, vl. 11, no. 5) (In English and Russian with Czech summary. illus., bibl.)

SOURCE: East Europeon Accessions List, (EEAL) Library of Congress, Vol. 5, No. 8, August 1956.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, F.

Prantl, F. Biostratigraphic significance of the Czech Conulites. p. 15.
CASOPIS; ODDIL PRIRODOVEDNY. Praha. Vol. 123, no. 1, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001342830003-7

PRANTL, F.

Svoboda, J. Stratigraphy and tectonics of the older Paleozoic in the wider vicinity of Karlstejn. p. 519.
SBORNIK, ODDIL GEOLOGICKY, Prague, Vol. 21, 1954 (published 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956, Uncl.

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